Naoyuki Miyata

List of Publications by Year
in descending order

27	1,129	623734 14	526287 27
papers	citations	h-index	g-index

27	27	27	788
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Simultaneous Sequestration of Co2+ and Mn2+ by Fungal Manganese Oxide through Asbolane Formation. Minerals (Basel, Switzerland), 2022, 12, 358.	2.0	6
2	Preferential Elimination of Ba2+ through Irreversible Biogenic Manganese Oxide Sequestration. Minerals (Basel, Switzerland), 2021, 11, 53.	2.0	4
3	Molecular Cloning and Heterologous Expression of Manganese(II)-Oxidizing Enzyme from Acremonium strictum Strain KR21-2. Catalysts, 2020, 10, 686.	3.5	9
4	Sequestration and Oxidation of Cr(III) by Fungal Mn Oxides with Mn(II) Oxidizing Activity. Catalysts, 2020, 10, 44.	3.5	14
5	Biogenic Manganese Oxide Production by Microorganisms: Microbeâ€“Metal Interactions and Application to Environmental Technology: Four Issues on Studies of Microbial Manganese Oxidation. Kagaku To Seibutsu, 2020, 58, 562-570.	0.0	1
6	Origin of Carbon and Essential Fatty Acids in Higher Trophic Level Fish in Headwater Stream Food Webs. Biomolecules, 2019, 9, 487.	4.0	8
7	Transfer of cyanobacterial carbon to a higher trophic-level fish community in a eutrophic lake food web: fatty acid and stable isotope analyses. Oecologia, 2018, 188, 901-912.	2.0	15
8	Biosynthesis of Schwertmannite and Goethite in a Bioreactor with Acidophilic Fe(II)-Oxidizing Betaproteobacterium Strain GJ-E10. Minerals (Basel, Switzerland), 2018, 8, 98.	2.0	5
9	Sequestration of La 3+ by fungal manganese oxides and the effect of Mn(II) oxidase activity. Journal of Environmental Chemical Engineering, 2017, 5, 735-743.	6.7	10
10	Oxidative Ce3+ sequestration by fungal manganese oxides with an associated Mn(II) oxidase activity. Applied Geochemistry, 2016, 71, 110-122.	3.0	12
11	Complete Genome Sequence of the Unclassified Iron-Oxidizing, Chemolithoautotrophic Burkholderiales Bacterium GJ-E10, Isolated from an Acidic River. Genome Announcements, 2015, 3, .	0.8	8
12	Formation of Filamentous Mn Oxide Particles by the AlphaproteobacteriumBoseasp. Strain BIWAKO-01. Geomicrobiology Journal, 2015, 32, 666-676.	2.0	14
13	Sequestration of Cd(II) and Ni(II) ions on fungal manganese oxides associated with Mn(II) oxidase activity. Applied Geochemistry, 2014, 47, 198-208.	3.0	19
14	Zn(II) sequestration by fungal biogenic manganese oxide through enzymatic and abiotic processes. Chemical Geology, 2014, 383, 155-163.	3.3	35
15	Magnetically modified fungal Mn oxides with high sequestration efficiency for simultaneously removing multiple heavy metal ions from wastewater. Journal of Environmental Chemical Engineering, 2014, 2, 1635-1641.	6.7	8
16	As(III) oxidation kinetics of biogenic manganese oxides formed by Acremonium strictum strain KR21-2. Chemical Geology, 2013, 347, 227-232.	3.3	38
17	Cobalt(II) sequestration on fungal biogenic manganese oxide enhanced by manganese(II) oxidase activity. Applied Geochemistry, 2013, 37, 170-178.	3.0	22
18	Fungal Mn oxides supporting Mn(II) oxidase activity as effective Mn(II) sequestering materials. Environmental Technology (United Kingdom), 2013, 34, 2781-2787.	2.2	17

#	Article	IF	Citations
19	Concurrent sorption of As(V) and Mn(II) during biogenic manganese oxide formation. Chemical Geology, 2012, 306-307, 123-128.	3.3	27
20	Structure of nanocrystalline phyllomanganates produced by freshwater fungi. American Mineralogist, 2010, 95, 1608-1616.	1.9	138
21	Microbial manganese oxide formation and interaction with toxic metal ions. Journal of Bioscience and Bioengineering, 2007, 104, 1-8.	2.2	161
22	Production of Biogenic Manganese Oxides by Anamorphic Ascomycete Fungi Isolated from Streambed Pebbles. Geomicrobiology Journal, 2006, 23, 63-73.	2.0	61
23	Manganese(IV) Oxide Production by Acremonium sp. Strain KR21-2 and Extracellular Mn(II) Oxidase Activity. Applied and Environmental Microbiology, 2006, 72, 6467-6473.	3.1	103
24	Enzymatic formation of manganese oxides by an Acremonium-like hyphomycete fungus, strain KR21-2. FEMS Microbiology Ecology, 2004, 47, 101-109.	2.7	121
25	Interaction of Inorganic Arsenic with Biogenic Manganese Oxide Produced by a Mn-Oxidizing Fungus, Strain KR21-2. Environmental Science & Technology, 2004, 38, 6618-6624.	10.0	110
26	Sorption of Co(II), Ni(II), and Zn(II) on Biogenic Manganese Oxides Produced by a Mn-Oxidizing Fungus, Strain KR21-2. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2004, 39, 2641-2660.	1.7	89
27	Biogeochemistry of manganese oxide coatings on pebble surfaces in the Kikukawa River System, Shizuoka, Japan. Applied Geochemistry, 2003, 18, 1541-1554.	3.0	74